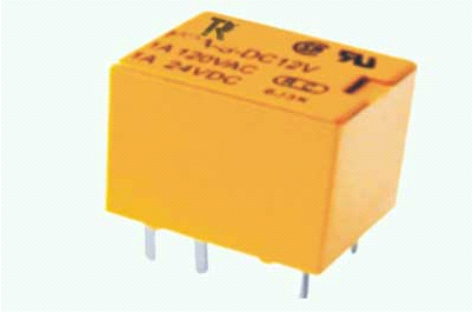
T4108



Feature

1. **Low profile size: 10.3(L)x7.4(W)x10(H)mm**
2. **Max Switching Capacity: 1A/120VAC**
3. **Environmental friendly product**
4. **Terminal Type: PCB**

Typical applications

◆**Telecomunications**

◆**Appliances** ◆**Office Equipment**

Reference Cross: FBR20 HRA

Specifications

◆ Contact Ratings

Number of poles		**1 Pole**	
Arrangement	1 Form C		
Initial contact resistance, max.(by voltage drop 6VDC/1A)	50mΩ		
Contact material	Silver alloy		
Rating (resistive load)	Nominal switching capacity	1A@120VAC/24 VDC	
	Max. switching power	120VA /24W	
	Max. switching voltage	120VAC	
	Max. switching current	1A	
Expected life (min.operations)	Mechanical (at 300cpm)	5×10^6	
	Electrical (resistive load)	1×10^5	

◆ Coil data

1、Sensitive coil				
Rated voltage (VDC)	5	9	12	24
Rated current (mA)	66.7	36.7	27.5	13.7
Coil resistance (Ω)±10%	75	245	436	1745
Must operate voltage	75% max. of rated voltage			
Must release voltage	5% min. of rated voltage			
Max voltage	130% of rated voltage			
Power consumption	0.33W	0.33W	0.33W	0.33W
2、Standard coil				
Rated voltage (VDC)	5	9	12	24
Rated current (mA)	90	50	37.5	18.75
Coil resistance (Ω)±10%	55.5	180	320	1280
Must operate voltage	75% max. of rated voltage			
Must release voltage	5% min. of rated voltage			
Max voltage	130% of rated voltage			
Power consumption	0.45W	0.45W	0.45W	0.45W

◆ Characteristics

Item			
Initial insulation resistance		Min.100 MΩ （at 500VDC）	
Dielectric strength	Between open contacts	500VAC 1 Min.	
	Between coil and contacts	500VAC 1 Min.	

Operate time (at nominal voltage)		5ms
Release time (at nominal voltage)		3ms
Temperature rise (at nominal voltage)		25K max. (at 20℃)
Shock resistance	Functional	100 m/ S^2
	Destructive	500 m/ S^2
Vibration resistance	Functional	10 to 55Hz, at double amplitude 1.5mm
	Destructive	
Ambient temperature		-40℃～+85℃
Humidity		45% to 85% RH
Termination		PCB
Unit weight		Approx. 1.7g

Ordering information

T4108 — 1 X X X

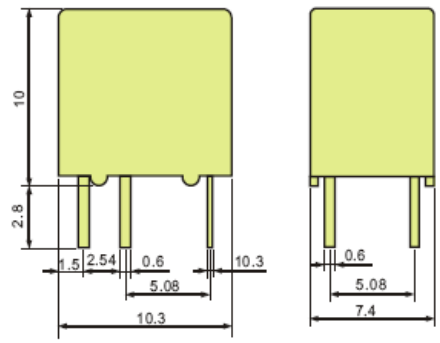
1 2 3 4

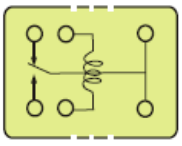
1. **Product type: T4108**
2. **Coil Voltage**
   05—5VDC 12—12VDC
3. **Coil power**
   L—Sensitive(0.33W) D—Standard(0.45W)
4. **Contact arrangement**
   M—1 form A Blank—1 form C

Note: Any special requests, please contact us.

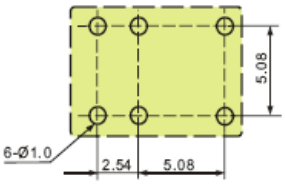
Outline Dimensions, PCB Layout and Wiring Diagram

(Dimensions are in millimeters)





Wiring daigram
(bottom view)



PCB Layout
(bottom view)